

(12) 按照专利合作条约所公布的国际申请

(19) 世界知识产权组织  
国际局



(43) 国际公布日:  
2005年7月21日(21.07.2005)

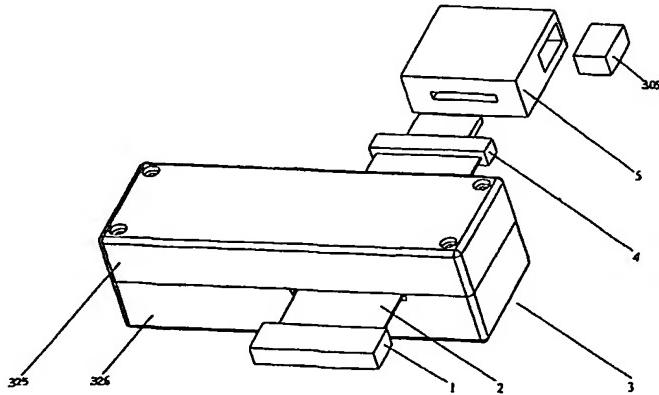
PCT

(10) 国际公布号:  
WO 2005/066000 A1

- (51) 国际分类号<sup>7</sup>: B60R 22/19
- (21) 国际申请号: PCT/CN2004/001467
- (22) 国际申请日: 2004年12月20日(20.12.2004)
- (25) 申请语言: 中文
- (26) 公布语言: 中文
- (30) 优先权:  
200420014512.5 2004年1月2日(02.01.2004) CN  
200410015034.4 2004年1月2日(02.01.2004) CN
- (71)(72) 发明人/申请人: 陈小华(CHEN, Xiaohua) [CN/  
CN]; 中国广东省深圳市南山区龙珠大道桃园村  
5-304, Guangdong 518055 (CN).
- (74) 代理人: 深圳市中知专利代理有限责任公司  
(SHENZHEN ZHONGZHI PATENT AGENT CO.,  
LTD.); 中国广东省深圳市上步中路1001号科技大厦  
裙楼1楼, Guangdong 518031 (CN).
- (81) 指定国(除另有指明, 要求每一种可提供的国家保护):  
AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW,  
BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM,
- DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR,  
HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,  
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN,  
MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL,  
PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ,  
TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU,  
ZA, ZM, ZW
- (84) 指定国(除另有指明, 要求每一种可提供的地区保护):  
ARIPO(BW, GH, GM, KE, LS, MW, MZ, NA, SD,  
SL, SZ, TZ, UG, ZM, ZW), 欧亚专利(AM, AZ, BY,  
KG, KZ, MD, RU, TJ, TM), 欧洲专利(AT, BE, BG,  
CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU,  
IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK,  
TR), OAPI(BF, BJ, CF, CG, CI, CM, GA, GN, GQ,  
GW, ML, MR, NE, SN, TD, TG)
- 根据细则4.17的声明:  
— 发明人资格(细则4.17(iv))仅对美国  
本国际公布:  
— 包括国际检索报告。
- 所引用双字母代码和其它缩写符号, 请参考刊登在每期  
PCT公报期刊起始的“代码及缩写符号简要说明”。

(54) Title: A SAFETY BELT WHICH DOESN'T KEEP CLOSE TO BODY

(54) 发明名称: 不紧贴身式安全带



(57) Abstract: A safety belt which doesn't keep close to body comprises a safety belt, a tensioner, a flashboard, a buckle and a limiter. The limiter includes, a shell, an entrance for safety belt locates at the side of the shell, upper per and lower rotating shafts are in the shell, the lower rotating shaft engages with two lower shaft seats of the lower shell, a clamp sleeve secures on the lower rotating shaft, on each of two lower shaft seats has electromagnet, a ratchet wheel and a pawl locate on the lower shaft; on the upper rotating shaft secures clamp knot and two upper shaft seats which cooperate moveably, the upper shaft seats with springs locate in the two slides of the upper shell, the ratchet wheel and the pawl locate on the upper shaft, the lower of the upper rotating shaft has electromagnet, and a motor driving lower shaft may be installed in the lower shell. The safety belt has automatic or manual limiter.

[见续页]



---

**(57) 摘要**

一种不贴身式安全带，包括安全带、收卷器、插板、锁扣和限制器，该限制器含壳体，壳体侧面有安全带进出口，壳体内设置上、下转轴，下转轴与下壳的两个下轴座动配合，下转轴上固定夹紧套，两下轴座上均装电磁铁，下转轴上装有棘轮和棘爪机构；上转轴上固定夹紧套、动配合的两上轴座，两上轴座上设有拉簧，上转轴安装棘轮和棘爪机构，上轴座下部可装电磁铁，还可以下壳内安装驱动下转轴的马达，并具有自动或手动限制器。